

1-24-01  
**FILE COPY**

Docket No.: 52352-317

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of :  
Jacques WONG, et al. :  
Serial No.: 09/517,518 : Group Art Unit: 2756  
Filed: March 02, 2000 : Examiner:  
:

For: BOTTOM-UP APPROACH FOR SYNTHESIS OF REGISTER TRANSFER LEVEL  
(RTL) BASED DESIGN



**REQUEST FOR CORRECTED FILING RECEIPT**

Assistant Commissioner for Patents  
Washington, DC 20231

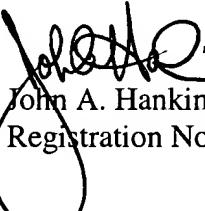
Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application. It is noted that the prior provisional application infoirmation was omitted from the filing receipt. Attached is a copy of the Declaration and Power of Attorney, which evidences that the prior provisional application information should read 60/173,489, filed December 29, 1999.

It is requested that a corrected filing receipt be issued.

Respectfully submitted,

MCDERMOTT, WILL & EMERY

  
John A. Hankins  
Registration No. 32,029

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**Date: June 27, 2000**  
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## FILING RECEIPT

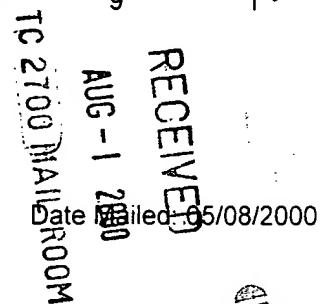


\*OC00000005101541\*

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark OfficeAddress: ASSISTANT SECRETARY AND  
COMMISSIONER OF PATENT AND TRADEMARKS  
Washington, D.C. 20231

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY.DOCKET.NO	DRAWINGS	TOT CLAIMS	IND CLAIMS
09/517,518✓	03/02/2000	2758	690✓	52352-317	3✓	9✓	1✓

Mcdermott Will & Emery  
600 13th Street NW  
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Date Mailed 05/08/2000

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the PTO processes the reply to the Notice, the PTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Jacques Wong, Santa Clara, CA ✓  
Beng Chew Khou, Residence Not Provided;  
Boon Piaw Tan, Residence Not Provided;

## Continuing Data as Claimed by Applicant

60/173,489, filed 12/29/99 ✓

## Foreign Applications

If Required, Foreign Filing License Granted 05/06/2000

## Title

Bottom-up approach for synthesis of register transfer level (RTL) based design ✓

## Preliminary Class

709

Data entry by : DADE, JOAN

Team : OIPE

Date: 05/08/2000



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Bib Data Sheet



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SERIAL NUMBER 09/517,518	FILING DATE 03/02/2000 RULE	CLASS 709 716	GROUP ART UNIT 2750 2825	ATTORNEY DOCKET NO. 52352-317
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## APPLICANTS

Jacques Wong, Santa Clara, CA ;  
Beng Chew Khou, Residence Not Provided;  
Boon Piaw Tan, Residence Not Provided;

## \*\* CONTINUING DATA \*\*\*\*\*

THIS APPLN CLAIMS BENEFIT OF 60/173,489 12/29/1999

## \*\* FOREIGN APPLICATIONS \*\*\*\*\*

## IF REQUIRED, FOREIGN FILING LICENSE GRANTED

\*\* 05/06/2000

Foreign Priority claimed	<input type="checkbox"/> yes <input checked="" type="checkbox"/> no				
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input checked="" type="checkbox"/> Met after allowance				
Verified and Acknowledged	Examiner's Signature Initials				
		STATE OR COUNTRY CA	SHEETS DRAWING 3	TOTAL CLAIMS 9	INDEPENDENT CLAIMS 1

## ADDRESS

Mcdermott Will & Emery  
600 13th Street NW  
Washington ,DC 20005-3096

## TITLE

Bottom-up approach for synthesis of register transfer level (RTL) based design

FILING FEE RECEIVED 690	FEES: Authority has been given in Paper No. _____ to charge/credit DEPOSIT ACCOUNT No. _____ for following:	<input type="checkbox"/> All Fees <input type="checkbox"/> 1.16 Fees ( Filing ) <input type="checkbox"/> 1.17 Fees ( Processing Ext. of time ) <input type="checkbox"/> 1.18 Fees ( Issue ) <input type="checkbox"/> Other _____ <input type="checkbox"/> Credit
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**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

My residence, post office and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter claimed and for which a patent is sought on the invention entitled BOTTOM UP APPROACH FOR SYNTHESIS OF REGISTER TRANSFER LEVEL (RTL) BASED DESIGN, the specification of which

is attached hereto  
 was filed on as Application Serial No. and was amended on (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is known to me to be material to patentability in accordance with Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

**Prior Foreign Applications(s):**

Number	Country	Day/Month/Year filed	Priority Claimed
			<input type="checkbox"/> <input type="checkbox"/>

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below.

**Prior Provisional Application(s):**

Application Number	Filing Date
60/173,489	December 29, 1999

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or Section 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

**Prior U.S. Application(s):**

Serial No.	Filing Date	Status: Patented, Pending, Abandoned



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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

I hereby appoint the following attorney(s) and/or agent(s): Edward A. Becker, Reg. No. 37,777; Stephen A. Becker, Reg. No. 26,527; Marcel K. Bingham, Reg. No. 42,327; John G. Bisbikis, Reg. No. 37,095; Carl L. Brandt, Reg. No. 44,555; Daniel Bucca, Reg. No. 42,368; Kenneth L. Cage, Reg. No. 26,151; Carina M. Tan, Reg. No. P-45,769; Stephen C. Carlson, Reg. No. 39,929; Jennifer Chen, Reg. No. 42,404; Thomas A. Corrado, Reg. No. 42,439; Lawrence T. Cullen, Reg. No. 44,489; Paul Devinsky, Reg. No. 28,553; Margaret M. Duncan, Reg. No. 30,879; Brian E. Ferguson, Reg. No. 36,801; Michael E. Fogarty, Reg. No. 36,139; John R. Fuisz, Reg. No. 37,327; Willem F. Gadiano, Reg. No. 37,136; Keith E. George, Reg. No. 34,111; Matthew V. Grumbling, Reg. No. 44,427; John A. Hankins, Reg. No. 32,029; Brian D. Hickman, Reg. No. 35,894; Joseph Hyosuk Kim, Reg. No. 41,425; Eric J. Kraus, Reg. No. 36,190; Jack Q. Lever, Reg. No. 28,149; Raphael V. Lupo, Reg. No. 28,363; Christine F. Martin, Reg. No. 39,762; Michael A. Messina, Reg. No. 33,424; Eugene J. Molinelli, Reg. No. 42,901; Christopher J. Palermo, Reg. No. 42,056; Dawn L. Palmer, Reg. No. 41,238; Joseph H. Paquin, Jr., Reg. No. 31,647; William D. Pegg, Reg. No. 42,988; Robert L. Price, Reg. No. 22,685; Thomas D. Robbins, Reg. No. 43,669; Gene Z. Robinson, Reg. No. 33,351; Joy Ann G. Serauskas, Reg. No. 27,952; David A. Spenard, Reg. No. 37,449; Arthur J. Steiner, Reg. No. 26,106; David L. Stewart, Reg. No. 37,578; Michael D. Switzer, Reg. No. 39,552; Leonid D. Thenor, Reg. No. 39,397; Keith J. Townsend, Reg. No. 40,358; Daniel S. Trainor, Reg. No. 43,959; Cameron K. Weiffenbach, Reg. No. 44,488; Aaron Weisstuch, Reg. No. 41,557; Edward J. Wise, Reg. No. 34,523; Alexander V. Yampolsky, Reg. No. 36,324; and Robert W. Zelnick, Reg. No. 36,976 all of

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and Vincenzo D. Pitruzzella, Reg. No. 28,656, Richard J. Roddy, Reg. No. 27,688, William D. Zahrt II, Reg. No. 26,070, Paul S. Drake, Reg. No. 33,491, Louis A. Riley Reg. No. 39,817 and Elizabeth A. Apperley, Reg. No. 36,428, with full power of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and all future correspondence should be addressed to them.

Full name of sole or first inventor: Jacques Wong

Inventor's signature: *J. Wong*

Date: 2/4/2000

Residence: Santa Clara, California

Citizenship: Mauritius

Post Office Address: 603 Hudson Drive, Santa Clara, CA 95051

Full name of second inventor: Beng Chew Khou

Inventor's signature: *B. Chew*

Date: 2/17/2000

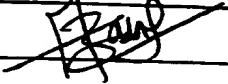
Residence:

Citizenship:

Post Office Address: BLK 325, Tampines St, 32 04-414 Singapore 520325 *AP*

171K 123 17 RIVERVALE DR, #04-137 SINGAPORE 541123

Full name of third inventor: Boon Piaw Tan

Inventor's signature: 

Date: 2/17/2005

Residence:

Citizenship:

Post Office Address:

## Certificate of Acknowledgment of Execution of an Instrument

REPUBLIC OF SINGAPORE

(Country)

CITY OF SINGAPORE

(County and/or other political division)

EMBASSY OF THE UNITED

(County and/or other political division)

STATES OF AMERICA

(Name of foreign service office)

SS:

I, June E. Geake

Vice Consul

of the United States of America at Singapore, Republic of Singapore

duly commissioned and qualified, do hereby certify that on this 17th

day of February 2000, before me personally appeared Boon Piaw Tan and  
(DATE)

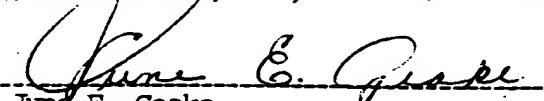
Beng Chew Khou

to me personally known, and known to me to be the individual—described in, whose  
name s are subscribed to, and who executed the annexed instrument, and being  
informed by me of the contents of said instrument they duly acknowledged to me  
that they executed the same freely and voluntarily for the uses and purposes therein  
mentioned.

[SEAL]

In witness whereof I have hereunto set my hand and

official seal the day and year last above written.

  
June E. Geake

Vice Consul

of the United States of America